

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to this collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/526,323
Filing Date	February 28, 2005
First Named Inventor	Ebright, Richard
Group Art Unit	Unknown 165-4
Examiner Name	Unknown Hemant Khanna

Sheet 1 of 7

Attorney Docket No: RUT0003-00US

US PATENT DOCUMENTS

Examiner Initial *	Cite No. *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HK		US-6,162,613	12/19/2000	Su, Michael S., et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. *	Foreign Document No Country Code - Number - Kind Code (if known)	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
---------------------	------------	--	------------------	---	---	----------------

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HK		BINDER, SUE, et al., "Emerging Infectious Diseases: Public Health Issues for the 21st Century.", <u>Science</u> , 284, (May 21, 1999), 1311-1313	
HK		BLOND, ALAIN, et al., "The cyclic structure of microcin J25, a 21-residue peptide antibiotic from Escherichia coli", <u>Eur J Biochem.</u> , 259, (1999), 747-755	
HK		BLONDELLE, SYLVIE E., et al., "Identification of Antimicrobial Peptides by Using Combinatorial Libraries Made Up of Unnatural Amino Acids", <u>Antimicrobial Agents and Chemotherapy</u> , 38(10), (Oct. 1994), 2280-2286	
HK		BLONDELLE, SYLVIE E., et al., "Soluble combination libraries of organic, peptidometric and peptide diversities.", <u>Trends Anal. Chem.</u> , 14, (1995), 83-92	
HK		BLONDELLE, SYLVIE E., et al., "The antimicrobial activity of hexapeptides derived from synthetic combinatorial libraries.", <u>J Appl Bacteriol.</u> , 78(1), (1995), 39-46	

EXAMINER

/Hemant Khanna/

DATE CONSIDERED

02/28/2007

Substitute Disclosure Statement Form (PTO-1449)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
 (Use as many sheets as necessary)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to this collection of information unless it contains a valid OMB control number.

PTO/SB/08A(08-03)
 Approved for use through 07/31/2008, OMB 0651-0031
 US Patent & Trademark Office, U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number	10/526,323
Filing Date	February 28, 2005
First Named Inventor	Ebright, Richard
Group Art Unit	Unknown- 1b54
Examiner Name	Unknown- Hemant Khanna

Sheet 2 of 7

Attorney Docket No: RUT0003-00US

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HK		CAMPBELL, ELIZABETH A., et al., "Structural mechanism for rifampicin inhibition of bacterial RNA polymerase.", <u>Cell</u> , 104(6), (Mar 23 2001),901-912	
HK		CECH, CAROL L., et al., "Characterization of ribonucleic acid polymerase-T7 promoter binary complexes.", <u>Biochemistry</u> , 19(11), (1980),2440-2447	
HK		CHRISTIE, GAIL E., et al., "Escherichia coli rpoC397 Encodes a Temperature-Sensitive C-Terminal Frameshift in the beta' subunit of RNA Polymerase That Blocks Growth of Bacteriophage P2", <u>J. Bacteriol.</u> 178(23), (Dec 1996),6991-6993	
HK		DELGADO, MONICA A., et al., "Escherichia coli RNA polymerase is the target of the cyclopeptide antibiotic microcin J25.", <u>J Bacteriol.</u> 183(15), (Aug 2001),4543-4550	
HK		DEVLIN, JAMES J., et al., "Random Peptide Libraries: A Source of Specific Protein Binding Molecules", <u>Science</u> , 249, (1990),404-406	
HK		EBRIGHT, RICHARD H., "RNA Polymerase: Structural Similarities Between Bacterial RNA Polymerase and Eucariotic RNA Polymerase", <u>J. Mol. Biol.</u> , 304, (2000),687-689	
HK		EPSHTEIN, VITALIY , et al., "Swing-gate model of nucleotide entry into the RNA polymerase active center.", <u>Mol Cell</u> 10(3), (Sep 2002),623-634	

EXAMINER

/Hemant Khanna/

DATE CONSIDERED

02/28/2007

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
 (Use as many sheets as necessary)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to this collection of information unless it contains a valid OMB control number.

PTO/SB/08A(08-03)
 Approved for use through 07/31/2008. OMB 0651-0031
 US Patent & Trademark Office, U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number	10/526,323
Filing Date	February 28, 2005
First Named Inventor	Ebright, Richard
Group Art Unit	Unknown 1654
Examiner Name	Unknown Hemant Khanna

Sheet 3 of 7

Attorney Docket No: RUT0003-00US

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HK		FELICI, FRANCO, et al., "Selection of antibody ligands from a large library of oligopeptides expressed on a multivalent exposition vector.", <u>J Mol Biol.</u> , 222(2), (1991),301-310	
HK		GALLOP, MARK A., et al., "Applications of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries", <u>J Medicinal Chem.</u> , 37(9), (Apr 29, 1994),1233-1251	
HK		GEYSEN, H M., et al., "The delineation of peptides able to mimic assembled epitopes.", <u>Ciba Foundation Symposium</u> , 119, Synthetic Peptides As Antigens, John Wiley & Sons,(1986),130-149	
HK		GILL, STANLEY C., et al., "Calculation of protein extinction coefficients from amino acid sequence data.", <u>Analytical Biochem.</u> , 182, (1989),319-326	
HK		GILL, STANLEY C., et al., " <i>Escherichia coli</i> σ^{70} and NusA Proteins. I. Binding interactions with core RNA polymerase in solution and within the transcription complex.", <u>J. Mol. Biol.</u> , 220, (1991),307-324	
HK		GNATT, AVERELL L., et al., "Structural Basis of Transcription: an RNA Polymerase II Elongation Complex at 3.3 A Resolution", <u>Science</u> , 292, (June 8, 2001),1876-1882	
HK		HOUGHTEN, RICHARD, et al., "The use of synthetic peptide combinatorial libraries for the identification of bioactive peptides.", <u>Biotechniques</u> , 13(3), (Sep. 1992),412-421	

EXAMINER

/Hemant Khanna/

DATE CONSIDERED

02/28/2007

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
 (Use as many sheets as necessary)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to this collection of information unless it contains a valid OMB control number.

PTO/SB08A(03-03)
 Approved for use through 07/31/2008. OMB 0631-0031
 US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE
 Section of Information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/526,323
Filing Date	February 28, 2005
First Named Inventor	Ebright, Richard
Group Art Unit	Unknown 1654
Examiner Name	Unknown- Hemant Khanna

Sheet 4 of 7

Attorney Docket No: RUT0003-00US

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HK		HOUGHTEN, RICHARD A., "General method for the rapid solid-phase synthesis of large numbers of peptides: Specificity of antigen-antibody interaction at the level of individual amino acids", <u>Proc Natl Acad Sci U S A</u> , 82, (Aug. 1985),5131-5135	
HK		HOUGHTEN, RICHARD A., et al., "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery.", <u>Nature</u> , 354(6348), (Nov 7 1991),84-86	
HK		LAM, KIT S., et al., "A new type of synthetic peptide library for identifying ligand-binding activity.", <u>Nature</u> , 54, (1991),82-84	
HK		LEVY, STUART , "The Challenge of Antibiotic Resistance", <u>Scientific American</u> 278(3), (March 1998),46-53	
HK		MCCONNELL, STEPHEN J., et al., "Constrained peptide libraries as a tool for finding mimotopes.", <u>Gene</u> , 151(1-2), (Dec 30 1994),115-118	
HK		MEKLER, VLADIMIR A., et al., "Structural organization of bacterial RNA polymerase holoenzyme and the RNA polymerase-promoter open complex.", <u>Cell</u> , 108(5), (Mar 8 2002),599-614	
HK		MITCHINSON, D A., "Role of individual drugs in the chemotherapy of tuberculosis", <u>Int. J. Tuberc. Lung Disease</u> 4(9), (2000),796-805	

EXAMINER

/Hemant Khanna/

DATE CONSIDERED

02/28/2007

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to this collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/526,323
Filing Date	February 28, 2005
First Named Inventor	Ebright, Richard
Group Art Unit	Unknown 1634
Examiner Name	Unknown Hemant Khanna

Sheet 5 of 7

Attorney Docket No: RUT0003-00US

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HK		MUKHOPADHYAY, JAYANTA, et al., "Translocation of σ^{70} with RNA Polymerase during Transcription: Fluorescence Resonance Energy Transfer Assay for Movement Relative to DNA", <u>Cell</u> , 106, (Aug 24, 2001), 453-463	
HK		MURAKAMI, KATSUHIKO S., et al., "Structural basis of transcription initiation: RNA polymerase holoenzyme at 4 Å resolution.", <u>Science</u> , 296(5571), (May 17 2002), 1280-1284	
HK		NIU, WEI, et al., "Transcription activation at class II CAP-dependent promoters: two interactions between CAP and RNA polymerase.", <u>Cell</u> , 87(6), (Dec. 13, 1996), 1123-1134	
HK		OSTRESH, JOHN M., et al., "'Libraries from libraries': Chemical transformation of combinatorial libraries to extend the range and repertoire of chemical diversity", <u>Proc Natl Acad Sci U S A</u> , 91, (Nov. 1994), 11138-11142	
HK		OSTRESH, JOHN M., et al., "Peptide Libraries: Determination of Relative Reaction Rates of Protected Amino Acids in Competitive Couplings.", <u>Biopolymers</u> , 34, (1994), 1681-1689	
HK		OTRESH, JOHN M., et al., "Generation and Use of Nonsupport-Bound Peptide and Peptidomimetic Combinatorial Libraries", <u>Methods in Enzymology. Combinatorial Chemistry, Volume 267</u> , Abelson, John N., Editor. Academic Press, San Diego., ISBN 0121821684, (1996), 220-234	
HK		PARMLEY, STEPHEN F., et al., "Antibody-selectable filamentous fd phage vectors: affinity purification of target genes.", <u>Gene</u> , 73, (1988), 305-318	
HK		PINILLA, CLEMENCIA, et al., "A Review of the Utility of Soluble Peptide Combinatorial Libraries.", <u>Biopolymers (Peptide Science)</u> , 37, (1995), 221-240	

EXAMINER

/Hemant Khanna/

DATE CONSIDERED

02/28/2007

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) = Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
 (Use as many sheets as necessary)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to this collection of information unless it contains a valid OMB control number.

PTO/SB/05A(08-03)
 Approved for use through 07/31/2008. OMB 0651-0021
 US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number	10/526,323
Filing Date	February 28, 2005
First Named Inventor	Ebright, Richard
Group Art Unit	Unknown 1654
Examiner Name	Unknown Hemant Khanna

Sheet 6 of 7

Attorney Docket No: RUT0003-00US

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HK		PINILLA, CLEMENCIA, et al., "Rapid identification of high affinity peptide ligands using positional scanning synthetic peptide combinatorial libraries.", <u>Biotechniques</u> , 13(6), (Dec. 1992),901-905	
HK		PINILLA, CLEMENCIA, et al., "Versatility of positional scanning synthetic combinatorial libraries for the identification of individual compounds.", <u>Drug Dev. Res.</u> , 33, (1994),133-145	
HK		RAVIGLIONE, MARIO C., et al., "The Burden of Drug-Resistant Tuberculosis and Mechanisms for Its Control", <u>Ann. NY Acad. Sci.</u> , 953, (2001),88-97	
HK		SCHLUGER, N W., et al., "The impact of drug resistance on global tuberculosis epidemic.", <u>Int. J. Tuberculosis Lung Disease</u> , 4, (2000),S71-S75	
HK		SCOTT, JAMIE K., et al., "Searching for peptide ligands with an epitope library.", <u>Science</u> , 249(4967), (Jul 27 1990),386-390	
HK		SOLBIATI, JOSE O., et al., "Genetic Analysis of Plasmid Determinants for Microcin J25 Production and Immunity", <u>J Bacteriology</u> , 178(12), (June 1996),3661-3663	
HK		SOLBIATI, JOSE O., et al., "Sequence Analysis of the Four Plasmid Genes Required To Produce the Circular Peptide Antibiotic Microcin J25", <u>J Bacteriology</u> , 181(8), (Apr. 1999),2659-2662	
HK		VASSYLYEV, DMITRY G., et al., "Crystal structure of a bacterial RNA polymerase holoenzyme at 2.6 A resolution.", <u>Nature</u> , 417(6890), (Jun 13 2002),712-719	

EXAMINER

/Hemant Khanna/

DATE CONSIDERED

02/28/2007

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) ? Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to this collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number 10/526,323

Filing Date February 28, 2005

First Named Inventor Ebright, Richard

Group Art Unit Unknown 1654

Examiner Name Unknown Hemant Khanna

Sheet 7 of 7

Attorney Docket No: RUT0003-00US

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
HK		WALSH, CHRISTOPHER, "Molecular mechanisms that confer antibacterial drug resistance", <u>Nature</u> , 406, (Aug. 17, 2000), 775-781	
HK		WANG, DAGUANG, et al., "Discontinuous movements of DNA and RNA in RNA polymerase accompany formation of a paused transcription complex.", <u>Cell</u> , 81(3), (May 5, 1990), 341-350	
HK		YUZENKOVA, JULIA, et al., "Mutations of bacterial RNA polymerase leading to resistance to microcin j25.", <u>J Biol Chem.</u> , 277(52), (Dec 27 2002), 50867-50875	
HK		ZHOU, YUHONG, et al., "Identification of the activating region of catabolite gene activator protein (CAP): Isolation and characterization of mutants of CAP specifically defective in transcription activation", <u>Proc Natl Acad Sci U S A</u> , 90, (July 1993), 6081-6085	
HK		ZHOU, YUHONG, et al., "Random mutagenesis of gene-sized DNA molecules by use of PCR with Taq DNA polymerase", <u>Nucl. Acids Res.</u> , 19(21), (1991), 6052	

EXAMINER

/Hemant Khanna/

DATE CONSIDERED

02/28/2007

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached